# COMBINED DECLARATION AND POWER OF ATTORNEY

### As a below named inventor, I hereby declare that:

110 40 00 00 00 00 00 00 00 00 00 00 00 00	
This declaration	is of the following type:
	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
	Yoo, Jong Hyun; Lu, Xinliang; Chen, Chiliang; Lai, Kevin Kaung; Kao, Chien-Tao
first and sole in	ost office address and citizenship are as stated below next to my name. I believe I am the original ventor (if only one name is listed below) or an original, first and joint inventor (if plural names are the subject matter which is claimed and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
PULSE NUCLI	EATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS
	SPECIFICATION IDENTIFICATION
The specification	n of which:
	is attached hereto  was filed on, under Serial No, executed on even date herewith; or
	and as amended under PCT Article 19 on  ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state th	nat I have reviewed and understand the contents of the above-identified specification, including the ded by any amendment referred to above.
I acknowledge the Code of Federal	the duty to disclose all information I know to be material to patentability in accordance with Title 37, Regulations, 1.56,
and which is malikelihood that a issue as a patent,	naterial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application to and
$\boxtimes$	In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

# PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for
patent or inventor's certificate or of any PCT international application(s) designating at least one country other than
the United States of America or of any United States Provisional Application(s) listed below, and have also
identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s)
designating at least one country other than the United States of America filed by me on the same subject matter
having a filing date before that of the application(s) of which priority is claimed.

		pplications have been filed.	ollows:	
<b>A.</b>	Prior foreign/PC application, and a	T/provisional application(s my priority claims under 3	s) filed within 12 5 U.S.C. § 119	mos. (6 mos. for design) prior to this
	Country/PCT	Application No	Date Filed	Priority Claimed  [ ] Yes [ ] No [ ] Yes [ ] No
В.	All foreign application	cation(s), if any, filed mo	ore than 12 mos.	(6 mos for design) prior to this U.S.
	Country: Application No: Filing date:			
		PRIORITY CL/	AIM (35 U.S.C. §12	20)
subject in provided that is measonal	ional application(s) matter of each of the d by the first paragranaterial to the examible Examiner would ccurred between the	under Title 35, United State designating the United State claims of this application is aph of Title 35, United State nation of this application (nation of this application in de-	es Code, § 120, of tes of America tha not disclosed in tha s Code, å112, I ack amely, information v ciding whether to a	any United States application(s) or PCT t is/are listed below and, insofar as the at/those prior application(s) in the manner nowledge the duty to disclose information where there is substantial likelihood that a llow the application to issue as a patent) ational or PCT international filing date of
		pplications have been filed ications have been filed, as f	ollows:	
	Canial Na	Office Date - D	Stat	
	Serial No. <u>F</u>	<u>iling Date</u> Pa	tented Pending	<u>Abandoned</u>

#### POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Michael B. Einschlag Registration No. 29,301 Joseph Bach Registration No. 37,771 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Robert W. Mulcahy Registration No. 25,436 Kenneth C. Brooks Registration No. 38,393

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052 Kenneth C. Brooks Law Office of Kenneth C. Brooks (512) 527-0104

#### **DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of first inven	tor: Jong Hyun Yoo	
Inventor's signature:		Date:
Residence:	Milpitas, California	
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	Milpitas, California 95035	
	U.S.A.	Country of Citizenship: South Korea
Full name of second inv	ventor: Xinliang Lu	
Inventor's signature:	W.J	Date: 12/12/2001
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Post Office Address:	685 Garland Avenue #54	
	Sunnyvale, California 94086	
	U.S.A.	Country of Citizenship: People's Republic of China

		<b>.</b>
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Residence: Post Office Address:	Sunnyvale, California 1712 Calary Drive	
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	U.S.A.	Country of Citizenship: Republic of China (Taiwan
Full name of fourth inve	entor: Kewin Kaung Lai	
Inventor's signature:	Knyka	Date: /2//2/0/
Residence:	Milpitas, California	
Post Office Address:	1354 Terra Alta Drive	
	Milpitas, California 95035	G
	U.S.A.	Country of Citizenship: Republic of China (Taiwan)
Full name of fifth inven	tor: Chien-Tao Kao	
		Date:
Inventor's signature:		
Residence:	Sunnyvale, California	
	725 Starbush Drive	
Residence:	725 Starbush Drive Sunnyvale, California 94086	Country of Citizenshin: Republic of China (Tairyon)
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	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
•	Yoo, Jong Hyun; Lu, Xinliang; Chen, Chiliang; Lai, Kevin Kaung; Kao, Chien-Teh
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PULSE NUCLE	ATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS
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	is attached hereto was filed on, under Serial No, executed on even date herewith; or
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I hereby state that	at I have reviewed and understand the contents of the above-identified specification, including the ed by any amendment referred to above.
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	In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

Serial No.

Filing Date

## PRIORITY CLAIM (35 U.S.C. §119)

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patent or inventor's certificate or of any PCT international application(s) designating at least one country other than
the United States of America or of any United States Provisional Application(s) listed below, and have also
identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s)
designating at least one country other than the United States of America filed by me on the same subject matter
having a filing date before that of the application(s) of which priority is claimed.

naving	a filling date before that of the application(s) of which priority is classical.
	No such applications have been filed.  Such applications have been filed as follows:
A.	Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. § 119
	Country/PCT Application No Date Filed Priority Claimed  [ ] Yes [ ] No  [ ] Yes [ ] No
В.	All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application
	Country: Application No: Filing date:
	PRIORITY CLAIM (35 U.S.C. §120)
interna subject manne inform likelihe issue a	by claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT ational application(s) designating the United States of America that is/are listed below and, insofar as the transfer of each of the claims of this application is not disclosed in that/those prior application(s) in the reprovided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose action that is material to the examination of this application (namely, information where there is substantial good that a reasonable Examiner would consider it important in deciding whether to allow the application to as a patent) which occurred between the filing date of the prior application(s) and the national or PCT ational filing date of this application.
	No such applications have been filed Such applications have been filed, as follows:

Patented Pending

Status

Abandoned

#### POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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James C. Wilson Registration No. 35,412 Robert W. Mulcahy Registration No. 25,436 Kenneth C. Brooks Registration No. 38,393

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Kenneth C. Brooks

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Full name of first inver	itor: Jong Hyun Yoo	
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	U.S.A.	Country of Citizenship: South Korea
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Inventor's signature:		Date:
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Post Office Address:	685 Garland Avenue #54	

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tor: Chiliang Chen	
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tor: Chien-Teh Kao	Date: 12/14/200/
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(Declaration ends with this page)